

(19)



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(11)

**EP 1 245 944 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
13.11.2002 Bulletin 2002/46

(51) Int Cl.7: **G01N 15/14**

(43) Date of publication A2:  
02.10.2002 Bulletin 2002/40

(21) Application number: **02006680.9**(22) Date of filing: **26.03.2002**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**  
Designated Extension States:  
**AL LT LV MK RO SI**

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(30) Priority: **29.03.2001 JP 2001094878**  
**15.06.2001 JP 2001182085**

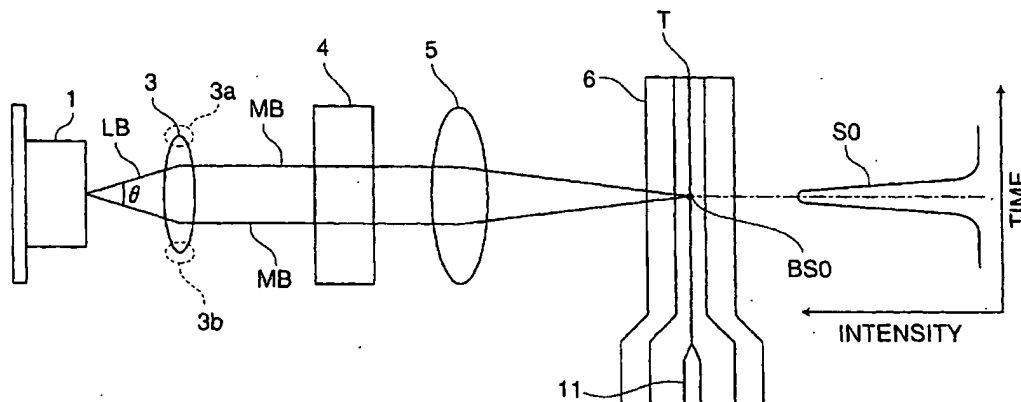
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**(54) Flow cytometer**

(57) A flow cytometer includes a flow cell (6) for flowing a sample liquid (T) in a flowing direction, to form a sample flow the sample liquid containing particles to be analyzed, a laser diode (1) radiating a laser beam (LB) having an elliptic cross section, a beam collimating section (3) for collimating the laser beam radiated from the laser diode (1), a beam spot forming section for focusing

the collimated beam at the sample flow in the flow cell (6) to form a beam spot (BSO), and a light receiving section for receiving light generated from the particles at the beam spot (BSO) to detect optical information of the particles, wherein the laser diode (1) is arranged such that a minor diameter of the elliptic section of the laser beam is parallel to the sample flow.

**FIG.5**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 02 00 6680

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Place of search	Date of completion of the search	Examiner	
MUNICH	17 September 2002	Hoogen, R	
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EPO FORM 1503 03/82 (P04/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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